

Resume of Dr. Nandita Bangera

Dr. Nandita Bangera

Assistant Professor
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RV Institute of Technology and Management
(RVITM),
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EDUCATION

Doctor of Philosophy 2016 - 2024

Visvesvaraya Technological University Belagavi, Karnataka, India

- *Completion: March 2024*
- *Thesis: Progressive techniques to reduce response Time in big data application*
- *CGPA: NA*

Master of Technology in Software Engineering 2010 - 2012

AMC Engineering College, Bangalore, Karnataka, India

- *Completion: August 2012*
- *Percentage: 83%*

Bachelor of Engineering in Computer Science & Engineering 1996- 2000

Mumbai University, India

- *Completion: August 2000*
- *Percentage: 60%*

EXPERIENCE DETAILS

- Around **17 years** of teaching and 5 years of research.
- Assistant Professor, Department of Computer Science, RV Institute of Technology and Management (from November 2021 – till date).
- Assistant Professor, Department of Computer Science, AMC Engineering College (from August 2009 – November 2021).
- Lecturer, Department of Computer Science, Oxford College of Engineering, Bangalore (from September 2003 – November 2005).
- Software Trainee, ICICI Infotech (from June 2001 – February 2002)

LIST OF JOURNALS AND CONFERENCES:

- AI Driven Personal Finance Management System A Survey-Technix International Journal for Engineering Research, Jan 2025, <https://doi.org/10.56975/tijer.v12i7.159254>

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- Smart ISL Recognition & Translation System – A Survey-Technix International Journal for Engineering Research, July 2025, :<https://tjier.org/TIJER/papers/TIJER2507169.pdf>
- Learning Discriminative Features Using ANN-based Progressive Learning Model – Pertanika Journal of Science and Technology, Aug 2024.
- Improving Time Efficiency in Big Data Through Progressive Sampling-Based Classification Model – Indonesian Journal of Electrical Engineering and Computer Science, Jan 2024.
- Machine Learning Driven Feature Sensitive Progressive Sampling Model for BigData Analytics – IJASCA (Web of Science), Nov 2021.
- A Progressive Sampling Based Approach to Reduce Sampling Time– IEEE Explore, RTEICT 2019
- Review on Yolo Based Mobility Assistance Systems for Visually Impaired – IJATEM November 2024.
- NFC Based Login for Mobile Apps and Websites – IJRASET, Vol 10, Issue 2, Feb 2022.
- Structured Gathering of the Deep Web Interactions for Two Stage Crawler – IJRET, 2016.
- Generation of Online Summaries in Arbitrary Time Duration for Large Scale Tweet Streams – Conference at City Engineering College, 2012.
- Real Time Yoga Asana Detection Using CNN – TIJER.
- Enhanced Approach for Quality Driven Web Services - Broker Based Architecture – International Conference, IISc, 2011.

LIST OF PATENTS & COPYRIGHTS:

1. Dr. Asha S Manek, Dr. Priyanga P, **Ms. Nandita Bangera**, Ms. V.R. Srividhya, Dr. A. Sree Lakshmi, SMART PLASTIC WASTE MANAGEMENT MACHINE, Indian Design Patent, Application number: 378634-001, Filed on 3.2.2023 (Granted on 19/05/2023).
2. AI-POWERED PORTABLE SOLAR CHARGING PAD 1. Dr. C. Solaimuthu 2. **Dr. Nandita Bangera** 3. Mrs. Nivedita S Desai 4. Dr. Laxmikant Ramachandra Patil 5. Mr. Nagesh Kumar Doddashettikere Narayanappa 6. Mrs. Pallavi K V 7. Dr. D. Salangai Nayagi 8. Dr. Kavitha, Application number:, 470338-001 (Granted on 20/08/2025).

External Connect:

1. Question paper setter for BMSCE, AMCEC, VTU .
2. Session Chair for National and International Conferences.
3. Reviewer for many IEEE Conferences.

ORCID : <https://orcid.org/0000-0002-6621-6555>

SCOPUS Author ID : <https://nwm.scopus.com/authid/detail.url?authorId=57215925191>

Google Scholar Citation as on : <http://scholar.google.co.in/citations?user=ZjzXNHUAAAAJ>

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	All	Since 2021
Citations	5	5
h-index	1	1

ROLES AND RESPONSIBILITY:

Courses Taught

- C
- C++
- Data Structures Using C
- Analysis and Design of Algorithms
- Database Management System
- Web Technology
- Python Application Programming
- Unix Shell Programming
- Unix System Programming
- System Simulation and Modelling
- Software Testing
- Full Stack Development
- Java Programming
- Mobile Application Development

Academic Contributions

- Counsellor (Student Academic and Personal Guidance).
- Coordinated for National Level Conference Workshops / FDPs / SDP/ Cultural.
- Coordinator of Algorithmics Coding Club.

CURRICULAR ACTIVITIES

- Resource Person for STTP on Web Technology in RVITM for a strength of 70 students for a duration of 20 days.
- Coordinated Wellness Programs (Yoga & Meditation) for the faculty of RVITM.
- Organised Workshops on Agentic AI for 4th semester and 5th semester students from CAPABL.
- Organised Events in RVITM
 - One-day GitHub Workshop under Alumni Series.
 - Invited Talk on Agile & Scrum Development.
 - SIC event by Wadhvani Foundation.

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-Seminar on “World of Machine Learning “for Ist year CSE students.

- Organized a 3-day Workshop on Computer Vision for CSE students.
- SPOC for KAVACH-2023 Cyber Security Hackathon – Internal Hackathon at RVITM.
- Coordinator for 2 days Hackathon Conducted at RVITM on Sept 17th 18th 2025.
- Conference Coordinator – RVITM and AMCEC.
- SPOC for SMART INDIA HACKATHON in AMCEC.
- Developed Firebase & Web Tech-based application for AMCEC Admin Dept under Department of Interdisciplinary and Research.
- Coordinator for various Cultural events.
- Coordinator for Infosys Campus Connect in AMCEC.
- Certification in Coursera on Web Technology.

PROFESSIONAL MEMBERSHIP:

- ISTE

PERSONAL DETAILS

DOB	26 th April 1978
Gender	Female
Marital Status	Married
Permanent Address	205,Bluebell,Esteem Park,JP Nagar 5 th phase Bangalore -78
Languages Known	Tulu, Kannada,Hindi, Marathi, English.

REFERENCES

Dr.N. Kayarvizhy

Professor ,CSE
BMS College of Engineering
kayarvizhyn.cse@bmsce.ac.in

Dr. Asha S Manek

Professor& HoD ,AI/ML
T John Institute of Technology and Management
ashamanek.cs@gmail.com

(Dr. Nandita Bangera)